

FILE COPY**RECEIVED****JUN 01 2016****WATER RIGHTS
PROGRAM**

Mail to: PMB 2020 DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8227-3</u>	(office use only) Hydrologic Unit <u>07020001</u>
	Basin <u>Minnesota-Whetstone</u>	
	Newspaper <u>Grant County Review, Milbank</u> (Wed) 605 432-4516	
	<u>Public Opinion, Watertown 605 886-6901</u>	

Application For Permit To Appropriate Water Within The State Of South Dakota**Check use(s) of water:**

<input type="checkbox"/> Municipal	<input type="checkbox"/> Suburban Housing	<input type="checkbox"/> Recreational	<input type="checkbox"/> Institutional
<input type="checkbox"/> Rural Water System	<input checked="" type="checkbox"/> Commercial	<input type="checkbox"/> Fish & Wildlife	<input type="checkbox"/> Geothermal Heat
<input checked="" type="checkbox"/> Domestic (over 18 gpm)	<input type="checkbox"/> Industrial	<input type="checkbox"/> Other	

Type of Application:
(check one)

<input checked="" type="checkbox"/> New	<input type="checkbox"/> Vested Right (Use predates Mar 2, 1955)	<input type="checkbox"/> Future Use Reservation
<input type="checkbox"/> Place to Beneficial Use Water Reserved by Future Use Permit No. _____		
<input type="checkbox"/> Amendment/Correction to Permit No. _____		

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

Increase the maximum annual usage to 15,000,000 (46.03 acre feet)1. Name to Appear on Water Permit Teton, LLC(check one) ☒ Owner ☐ Tenant/lessee ☐ Owner's Legal Agent

(name and complete address if different than above name)

Mailing Address PO Box 188

(Address)

Pipestone

(City)

MN

(State)

56164

(Zip Code)

Home Phone 507-825-4211Cell 507-215-0471Email bkerkaert@pipevet.com

2. Amount of water claimed _____ *CFS or 50 **GPM 23.63 add'l ***AF 46.03

(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Veblen4. Location of point of diversion SW 1/4, Section 16, T121N, R47W County Grant

(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

If not a public water supply (e.g. municipal), will water be used outside of the area described above? ☐ Yes ☒ No

If "Yes," where will water be used? _____

(example - NW1/4 section 12-T104N-R53W)

5. County or counties where water will be used Grant6. Annual period during which water is to be used 12 per year

7. Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

The existing greenfield livestock production facility includes two (2) 2,240 head deep pit gestation barns, one 2,136 head shallow pit farrowing barn, one 1,200 head gilt developer unit and one composting barn. The project has received a Conditional Use Permit from Grant County and a CAFO Permit from SD DENR.

I, Dr. Barry Kerkaert, the applicant, certify that I have read this application, have examined the attached map, and that the matters stated are true.

Supplemental Information

(type or print)

1. Well Information (check one or both as applicable) ☒ Drilling new well(s) ☒ Using existing well(s)a) If new wells, how many _____ Have test holes been drilled ☐ Yes ☐ No Drilled by _____
(if yes, please provide copies of logs)b) If existing wells, how many 2 Provide copy of log(s), if available. Drilled by _____c) Well Depth ≈57' Depth to Top of Water Bearing Material _____ Depth to Water from Surface _____

d) Distance to nearest existing domestic well:

On applicant's property NAOn property owned by others ≈1,500'**2. Wastewater Disposal System Information**a) Type of System (i.e. septic tank, drain field) Domestic wastewater will not treat via a septic tank/drainb) System Capacity (gallons) 1,500.00 Year Constructed 2014

c) Connected to the City of _____ Sanitary System

3. Dugout Information

a) Surface Dimensions _____ Depth _____

b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Primary Outlet Capacity _____

If pipe, diameter _____

f) Secondary Spillway Capacity _____

Spillway Width _____

g) X & Y Slope (e.g. 3 to 1 is a typical slope)

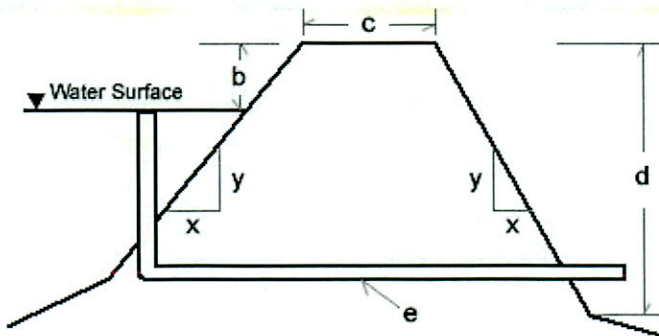
Upstream _____

Downstream _____

h) Surface Area of Impoundment _____

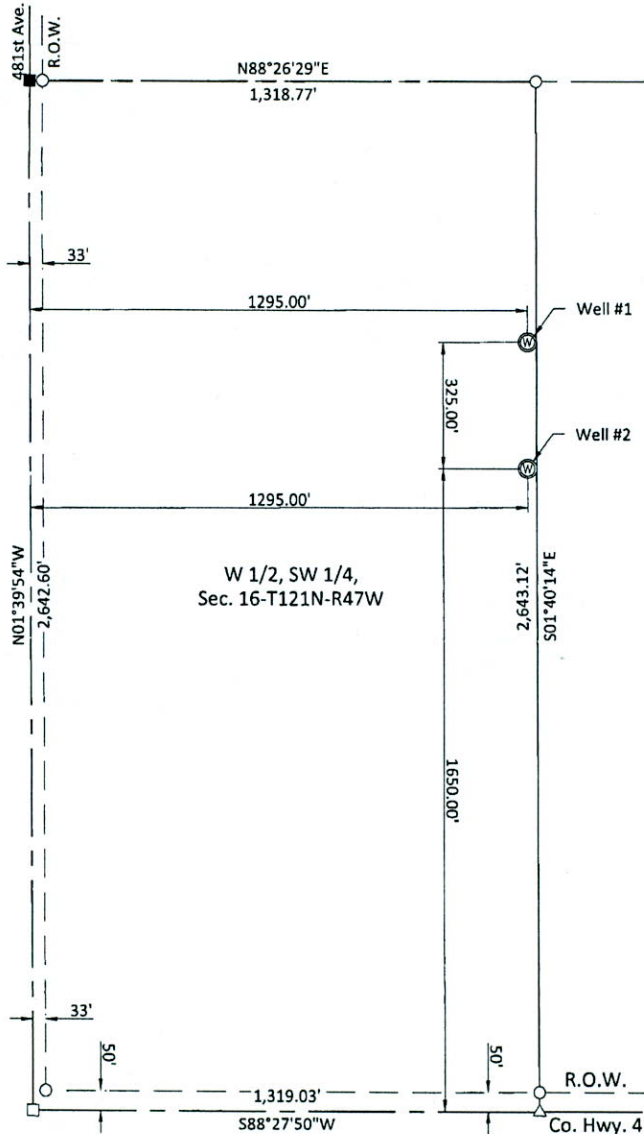
i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres

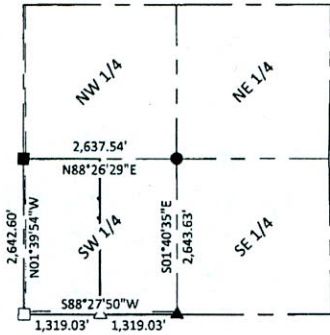


Teton, LLC Water Rights Location Map

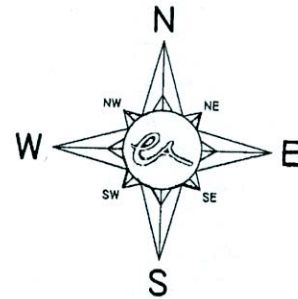
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WEST 1/2 OF THE SW 1/4, 16-121-47
SCALE: 1 INCH = 300 FEET



SECTION 16 - T 121 N - R 47 W
SCALE: 1 INCH = 2000 FEET



BASIS OF BEARING: Bearings are assumed

LEGEND

- FOUND REBAR WITH SURVEY CAP STAMPED 'JOHN J. SCOTT RLS 2092'
- FOUND REBAR WITH SURVEY CAP STAMPED 'LARSON 2499'
- ▲ FOUND REBAR
- SET MAGNETIC NAIL IN ASPHALT
- SET 5/8" X 18" REBAR WITH SURVEY CAP STAMPED 'JOHNSON LS 5816'
- △ CALCULATED CORNER

PROJECT NUMBER:	Y12222.D01
CREW CHIEF:	
DRAFTED BY:	BJB
REVIEWED BY:	TVM
DRAWING:	12222 Water Rights
LAYOUT:	Location Map
SHEET NO. 1 OF 1 TOTAL SHEETS	

Prepared By
Eisenbraun & Associates
Professional Engineers & Surveyors
Innovative Solutions - Long Term Value
215 Walnut
Yankton, South Dakota 57078
605-665-8092
FAX 605-665-6023
www.ea-sd.com



Sec 8
T121N
R47W

Sec 9
T121N
R47W

Sec 10
T121N
R47W

Sec 17
T121N
R47W

Sec 16
T121N
R47W

Sec 15
T121N
R47W

Sec 20
T121N
R47W

Sec 21
T121N
R47W

Sec 22
T121N
R47W

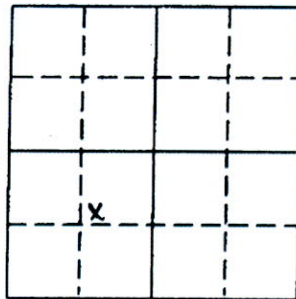
SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NW 1/4 SW 1/4 Sec 16 Twp 121N Rg 47WCounty
Grant

North

north well

Please mark well
location with an "X"

Well completion Date

12-9-14

1 Mile

Distance from nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.)

? 160 ft. from concrete manure pit (Identify source)

PROPOSED USE:

- ☒ Domestic/Stock ☐ Municipal ☐ Business ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

Rotary

CASING DATA:

- ☐ Steel ☐ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>sdr 21</u> LB/FT	<u>5</u> IN	<u>0</u> FT	<u>37</u> FT	<u>9 1/4</u> IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
<u>bentonite</u>	<u>9</u>	<u>20</u> Lb/gal	<u>0</u> FT	<u>37</u> FT
<u>cement</u>	<u>2</u>	<u>0</u> Lb/gal	<u>0</u> FT	<u>20</u> FT

Describe grouting procedure tremmie line

SCREEN:

- ☐ Perforated pipe ☒ Manufactured

Diameter 5 Inches Length 20 FeetMaterial pvcSlot Size .025 Set From 37 Feet to 57 FeetOther information .040 red flint?

WAS A PACKER OR SEAL USED?

- ☒ Yes ☐ No

If so, what material? pvc capDescribe packer(s) and location bottom of screen

DISINFECTION: Was well disinfected upon completion?

- ☒ Yes, How? Bleach

☐ No, Why Not?
 Lab sample sent to for water quality analysis

Well Owner:

Teton LLC Farms

Business Name:

Address1:

1300 S Hwy 75

Address2:

City, State, Zip:

Pipestone MN 56164

WELL LOG:

DEPTH

FORMATION

FROM

TO

<u>Top soil</u>	<u>0</u>	<u>5</u>
<u>Yellow clay</u>	<u>5</u>	<u>17</u>
<u>Blue clay</u>	<u>17</u>	<u>37</u>
<u>Coarse sand</u>	<u>37</u>	<u>57</u>

STATIC WATER LEVEL

35

FEET

If flowing: closed in pressure

PSI

GPM flow

through

Inch pipe

Controlled by

☐ Valve☐ Reducers☐ Other

Reduced flow rate

GPM

Can well be completely shut in? yes

WELL TEST DATA:

☒ Pumped

Describe:

submersible pump☐ Bailed☒ OtherAir lifted

Pumping Level Below Land Surface

Ft. After

1

Hrs. pumped

60

GPM

Ft. After

Hrs. pumped

GPM

If pump installed, pump rate:

GPM

REMARKS

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This well was drilled under license #

598

And this report is true and accurate.

Drilling firm:

Kranz Well + Excavation

Signature of License Representative

Signature of Well Owner or Equitable Property Holder

Date:

12-9-14